

SWG 11.8 Sizing Recommendations

Key Points

- Sizing figures are in Requests per Second (RPS), based on a 90% and 50% CPU load and default policy with all engines enabled.
- Performance depends heavily on the final security policy as well as the choice of antivirus engine. Actual results can and will vary.

Trustwave SWG Appliance	Requests per Second		Throughput: Mbit/sec	
	90% CPU load	50% CPU load	90% CPU load	50% CPU load
SWG 3000 M4	314	236	28.7	21.5
TS-250 SWG	514	431	50.6	39.1
SWG 5000 M4	1110	787	101.0	71.6
TS-500 SWG	1049	778	95.5	70.7
SWG 7000 HS23	899	665	81.8	60.4
TS-5000 SWG (per Scanner Node)	954	723	86.8	65.7
SWG VM 4 core*	321	182	29.0	16.5
SWG VM 12 core*	834	495	75.8	45.0
SWG VM 24 core*	1058	726	96.2	66.0

General Notes

- In All-in-One installations, expect a 20% reduction in the average RPS per SWG installation
- Maximum HTTP connections: 16K
- Maximum HTTPS connections: 4K

*Virtual Installation Notes

- Performance numbers are based on CPU cores
- Sizing is based on the following reference VM Host specifications:

CPU	Memory
ESXI 6.0 Host CPU E5-2620 v3 2.40GHz	16G

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